

CLAIMS

1. A copolymer of ethylene and a vinyl compound (I) represented by the general formula $\text{CH}_2=\text{CH}-\text{R}$, wherein R is a saturated hydrocarbon group, the steric parameter E_s of the substituent R is from -2.77 to -1.64 and the steric parameter B_1 of the substituent R is from 1.53 to 2.90, wherein the copolymer substantially has no crystallinity.

2. A copolymer of ethylene and a vinyl compound (I) represented by the general formula $\text{CH}_2=\text{CH}-\text{R}$, wherein R is a saturated hydrocarbon group, the steric parameter E_s of the substituent R is from -2.77 to -1.64 and the steric parameter B_1 of the substituent R is from 1.53 to 2.90, wherein the copolymer has a structure in which carbons substituted with substituents R are separated from each other by one methylene unit in its skeleton.

3. The copolymer according to claim 1, wherein the content of a unit derived from the vinyl compound (I) in the copolymer is from 5 to 90 mol%.

4. The copolymer according to claim 2, wherein the content of a unit derived from the vinyl compound (I) in the copolymer is from 5 to 90 mol%.

5. The copolymer according to claim 1, wherein the substituent R in the vinyl compound (I) is a secondary alkyl group.

6. The copolymer according to claim 2, wherein the substituent R in the vinyl compound (I) is a secondary alkyl

group.

7. The copolymer according to claim 1, wherein the vinyl compound (I) is vinylcyclohexane.

8. The copolymer according to claim 2, wherein the vinyl compound (I) is vinylcyclohexane.

9. A molded article comprising the copolymer of claim 1.

10. A molded article comprising the copolymer of claim 2.

11. The molded article according to claim 9, the molded article is a film, a sheet or a pipe.

12. The molded article according to claim 10, the molded article is a film, a sheet or a pipe.

13. An adhesive comprising the copolymer of claim 1 as an effective ingredient.

14. An adhesive comprising the copolymer of claim 2 as an effective ingredient.

15. A laminate comprising the copolymer of claim 1.

16. A laminate comprising the copolymer of claim 2.

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